

Permit No. UGW450005

APPENDIX K

Groundwater Quality Discharge Permit BAT Contingency Plan

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1 INTRODUCTION

EnergySolutions, LLC (EnergySolutions) has been granted a Groundwater Quality Discharge Permit, (GWQDP) Permit No. UGW450005 hereinafter called the Permit by the State of Utah. The Permit specifies the construction, operation, and monitoring requirements for all facilities at the Clive site that have a potential of discharging pollutants that may move directly or indirectly into groundwater. To cause the maximum reduction of pollutants achievable, the Permit specifies that “Best Available Technology” (BAT) be used in the construction of all facilities and that facilities be operated according to “Best Management Practices”. To demonstrate compliance with BAT requirements and performance standards, EnergySolutions shall implement a BAT Performance Monitoring Plan in accordance with the Permit. In the event of a BAT failure at any facility, the following Contingency Plan will be implemented.

This Contingency Plan provides direction to EnergySolutions personnel as to contingency actions required for maintaining or regaining compliance with the GWQDP BAT requirements. The timely execution of contingency and corrective actions outlined in this Contingency Plan will provide EnergySolutions with the basis to exercise the Affirmative Defense provision in the Permit and thereby avoid noncompliance status and potential enforcement action.

2 DEFINITIONS

Contingency Action:

Actions performed to eliminate an existing threat or potential threat to human health and/or the environment and regain compliance with BAT as defined in the Permit.

Corrective Action:

Actions required for regaining or maintaining compliance with all licenses and permits.

Discharge:

The release of a pollutant directly or indirectly into subsurface waters of the state.

Best Available Technology:

The application of design, equipment, work practice, operation standard, or combination thereof, at a facility to effect the maximum reduction of a pollutant achievable by available processes and methods taking into account energy, public health, environmental and economic impacts and other costs.

Contingency Plan:

A plan for regaining and maintaining compliance with the permit limits and for reestablishing best available technology as defined in the Permit.

Discrepancy in Pad Integrity:

Either: 1) a crack in the asphalt or concrete with greater than 1/8 inch separation (width) or 2) any significant deterioration or damage of the pad surface.

3 RESPONSIBILITIES

Responsibilities are provided in the BAT Performance Monitoring Plan.

4 CONTINGENCY PLAN

EnergySolutions is responsible for implementing the contingency plan for any identified failure of BAT in accordance with the BAT Performance Monitoring Plan. The contingency actions required for failures of BAT are listed below by facility.

4.1 All Evaporation Ponds:

4.1.1 Evaporation Pond Freeboard Level at Three Feet

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.

4.1.2 Evaporation Pond Freeboard Exceedance:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will immediately direct the removal of water from the pond via pumping until the minimum freeboard level is obtained, if approved water storage capacity is available. Water from the evaporation pond with a freeboard exceedance may be stored in another approved evaporation pond.
3. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
4. The QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
5. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.1.3 Leakage of Pipeline from Leak Detection System to Evaporation Pond

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The pipeline will be repaired.

4. If the pipeline cannot be repaired within the same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
5. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.1.4 Average Leakage Rate at Initial Action Level:

The initial action levels for each pond are listed below:

Evaporation Pond	Initial Action Level for Average Leakage Rate (in gallons)
1995 Evaporation Pond	155
1997 Evaporation Pond	160
2000 Evaporation Pond	355
Northwest Corner Evaporation Pond	300
Mixed Waste Evaporation Pond	160

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The Manager, Waste Disposal Operations will notify the Manager, Engineering and Maintenance.
4. Within five days the Manager, Engineering and Maintenance will perform a pump down test to determine the accuracy of the flow meter.
 - a. The pump down test will entail the collection of water into a container with a known capacity as it is discharged from the Leak Detection System pump pipeline.
 - b. The water in the container will be measured and compared with the Leak Detection System meter to determine the system accuracy.
 - c. A report will be prepared and submitted to the DRC presenting the accuracy of the pump system.

4.1.5 Average Leakage Rate Exceedance :

The allowable average leakage rate for each pond is listed below:

Evaporation Pond	Allowable Average Leakage Rate (in gallons)
1995 Evaporation Pond	162
1997 Evaporation Pond	171
2000 Evaporation Pond	382
Northwest Corner Evaporation Pond	326
Mixed Waste Evaporation Pond	171

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
4. The Manager, Compliance and Permitting will provide written notification and a proposed corrective action plan and schedule to the DRC within seven calendar days of discovery.
5. A calculation from the monitored leakage rate will be evaluated by the Manager, Engineering and Maintenance to determine the probable size and location of the leak(s). This calculation will assess if the defect can be identified by performing a visual inspection.
 - a. If the defect can be identified by visual inspection, the water level will be reduced to a level designated by the Manager, Engineering and Maintenance to bring the average leakage volume below the allowable rate. Water may be placed in an approved evaporation pond.
 - b. If the leak(s) are determined too small for visual inspection, a leak location survey will be performed. EnergySolutions will include a Leak Survey Report with the HDPE Liner Repair Report detailing how the survey was conducted and provide the survey results, including the number and location of all leaks.
6. Defects in the liner will be repaired in accordance with the corrective action plan and schedule.
7. EnergySolutions shall submit for DRC approval an HDPE Liner Repair Report certified by a Utah Licensed Professional Engineer certifying all liner repair and testing procedures and quality assurance activities and documentation were performed in accordance with the corrective action plan and schedule. The report shall also include an estimate of the total volume of liquids released from the pond to the subsurface.

4.1.6 Fluid Head Level Exceedance (1 Foot Level Above the Lowest Point in the Lower Flexible Membrane Liner):

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
4. The pump and process controller will be checked for proper activation within 24 hours and adjusted or replaced if necessary.
5. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.2 1995/1997 Evaporation Pond Lift Station:

4.2.1 Water Level Above the Lowest Level of the Inlet Pipe (Visual Alarm Activated):

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The IUF, Rail Wash Facility on Track No. 2, Containerized Waste Storage Pad, and Rail Digging Facility will be placed out of service.
3. The sump will be inspected to see if functioning properly.
4. If the sump pump requires repair or replacement it will occur within the same working day.
5. An inspection of the drainage system will occur to determine if blockage is present.
6. If blockage is present it will be removed to restore free drainage.
7. When free drainage is restored, the facilities may be placed back in service.
8. If blockage cannot be removed or is not removed within the same working day, the Manager, Waste Disposal Operations will provide notification to the Manager, Compliance and Permitting and the QAM.
9. The QAM or Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
10. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.3 2000 Evaporation Pond Water Transfer Pad

4.3.1 Lack of Free Drainage:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. Water management activities at the transfer pad will cease.
4. An inspection of the drainage system will occur to determine if blockage is present.
5. If blockage is present it will be removed to restore free drainage.
6. When free drainage is restored, water management activities may resume.
7. If free drainage is not restored within the same working day, the Manager, Waste Disposal Operations will notify the QAM or the Manager, Compliance and Permitting.
8. The Manager, Compliance and Permitting or QAM will provide verbal notification to the DRC within 24 hours of identification.
9. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.3.2 Water Level in Sump Above Grate

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.

2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting .
3. Water management activities at the 2000 Evaporation Pond will cease.
4. Water will be removed from the sump.
5. When water is removed from the sump, water management activities may resume.
6. If water is not removed within the same working day, the Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
7. The Manager, Waste Disposal Operations will notify the QAM and the Manager, Compliance and Permitting.
8. The QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
9. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.3.3 Discrepancy in Exposed Concrete Integrity:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and the Manager, Compliance and Permitting.
3. The Facility Operator or BAT Inspector will cease water management activities at the transfer pad.
4. The Manager, Waste Disposal Operations will schedule repairs to the exposed pad within 48 hours after receiving notification.
5. Repairs will be completed within 10 working days of discovery or the Manager, Compliance and Permitting will submit just cause in writing to the Director.
6. Upon completion of repairs, water management activities may resume.
7. If repairs are not performed within 10 working days of discovery and just cause has not been provided to the Director, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification that the repairs were not performed.
8. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of identification that repairs were not performed.

4.4 Northwest Corner Evaporation Pond Transfer Facility:

4.4.1 Tear, gap, or hole found between concrete apron and HDPE liner:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and the Manager, Compliance and Permitting.
3. The Facility Operator or BAT Inspector will cease water management activities at the transfer facility.
4. The Manager, Waste Disposal Operations will schedule repairs to the exposed pad within 7 days after receiving notification.

5. Repairs will be completed within 30 working days of discovery or the Manager, Compliance and Permitting will submit just cause in writing to the Director.
6. Upon completion of repairs, water management activities may resume.
7. If repairs are not performed within 30 working days of discovery and just cause has not been provided to the Director, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification that the repairs were not performed.
8. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of identification that repairs were not performed.

4.4.2 Discrepancy in Exposed Concrete Integrity:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and the Manager, Compliance and Permitting.
3. The Facility Operator or BAT Inspector will cease water management activities at the transfer facility.
4. The Manager, Waste Disposal Operations will schedule repairs to the pad within 7 days after receiving notification.
5. Repairs will be completed within 10 working days of discovery or the Manager, Compliance and Permitting will submit just cause in writing to the Director.
6. Upon completion of repairs, water management activities may resume.
7. If repairs are not performed within 10 working days of discovery and just cause has not been provided to the Director, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification that the repairs were not performed.
8. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of identification that repairs were not performed.

4.5 *Containerized Waste Storage Pad:*

4.5.1 Water Above the Sump Grate:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. Waste management activities at the facility will cease (waste may be removed from the facility in order to maintain compliance with the Radioactive Material License).
4. An inspection of the drainage system will occur to determine if blockage is present.
5. If blockage is present it will be removed to restore free drainage.
6. When free drainage is restored, waste management activities may resume at the facility.

7. If free drainage is not restored within the same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
8. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.5.2 Discrepancy in Exposed Storage Pad Integrity:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The Facility Operator or BAT Inspector will arrange for the removal of items stored within the area of the major discrepancy.
4. The Facility Operator or BAT Inspector will mark the area with a sign or painted markings.
5. No storage will occur in the marked area until repairs are complete.
6. The Manager, Waste Disposal Operations will schedule repairs to the exposed pad within 48 hours after receiving notification.
7. Repairs will be completed within 10 working days of discovery or the Manager, Compliance and Permitting will provide just cause in writing to the Director.
8. If repairs are not performed within 10 working days of discovery and just cause has not been provided to the Director, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification that the repairs were not performed.
9. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of identification that repairs were not performed.

4.5.3 Improper Labeling or Storage of Waste:

1. The Facility Operator or BAT Inspector will rectify and document within the same working day.

4.6 *East Truck Unloading Area:*

4.6.1 Troughs More Than Three Quarters Full:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. Waste Management activities at the facility will cease (waste may be removed from the facility in order to maintain compliance with the Radioactive Material License).
4. If blockage is present it will be removed to restore drainage.
5. When free drainage is restored, waste management activities may resume at the facility.

6. If free drainage is not restored within the same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
7. The Manager, Compliance and Permitting will provide notification to the DRC within seven calendar days of discovery.

4.6.2 Discrepancy in Exposed Surface Integrity:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The Facility Operator or BAT Inspector will arrange for the removal of items stored within the area of the discrepancy.
4. The Facility Operator or BAT Inspector will mark the area with a sign or painted markings.
5. No waste management will occur in the marked area until repairs are complete.
6. The Manager, Waste Disposal Operations will schedule repairs to the exposed surface within 48 hours after receiving notification.
7. Repairs will be completed within 10 working days of discovery or the Manager, Compliance and Permitting will provide just cause in writing to the Director.
8. If repairs are not performed within 10 working days of discovery and just cause has not been provided to the Director, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification that repairs were not performed.
9. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of identification that repairs were not performed.

4.6.3 Containers Without Current Date on Bates Label on Asphalt Surfaces:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. Waste management activities at the facility will cease (waste may be removed from the facility in order to maintain compliance with the Radioactive Material License).
4. The container(s) will be removed from the asphalt surface
5. When the container(s) have been removed, waste management activities may resume at the facility.
6. The QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
7. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.6.4 Improper Labeling or Storage of Waste on Concrete Holding Pads:

1. The Facility Operator or BAT Inspector will rectify and document within the same working day.

4.7 *Intermodal Unloading Facility:*

4.7.1 Water Above the Sump Grate:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. Waste management activities at the facility will cease (waste may be removed from the facility in order to maintain compliance with the Radioactive Material License).
4. An inspection of the drainage system will occur to determine if blockage is present.
5. If blockage is present it will be removed to restore free drainage.
6. When free drainage is restored, waste management activities may resume at the facility.
7. If free drainage is not restored within the same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
8. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.7.2 Discrepancy in Exposed Pad Integrity:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The Facility Operator or BAT Inspector will arrange for the removal of items stored within the area of the major discrepancy.
4. The Facility Operator or BAT Inspector will mark the area with a sign or painted markings.
5. No storage will occur in the marked area until repairs are complete.
6. The Manager, Waste Disposal Operations will schedule repairs to the exposed pad within 48 hours after receiving notification.
7. Repairs will be completed within 10 working days of discovery or the Manager, Compliance and Permitting will provide just cause in writing to the Director.
8. If repairs are not performed within 10 working days of discovery and just cause has not been provided to the Director, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification that the repairs were not performed.
9. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of identification that repairs were not performed.

4.7.3 Improper Labeling or Storage of Waste:

1. The Facility Operator or BAT Inspector will rectify and document within the same working day.

4.8 *Intermodal Unloading Facility Lift Station*

4.8.1 Water Level Above the Lowest Level of the Inlet Pipe (Visual Alarm Activated):

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The IUF, Rail Wash Facility on Track No. 2, and Rail Digging Facility will be placed out of service.
4. The sump will be inspected to see if functioning properly.
5. If the sump pump requires repair or replacement it will occur within the same working day.
6. An inspection of the drainage system will occur to determine if blockage is present.
7. If blockage is present it will be removed to restore free drainage.
8. When free drainage is restored, the facilities may be placed back in service.
9. If blockage cannot be removed or is not removed within the same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
10. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.9 *LARW Box Washing Facility:*

4.9.1 Lack of Free Drainage to the Sump Continuing to the Concrete Holding Tanks:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The facility will be placed out of service.
4. The drainage system will be inspected for blockage.
5. The sump pump will be inspected to see if functioning properly.
6. If the sump pump requires repair or replacement it will occur within the same working day.
7. If blockage is present within the drainage system, it will be removed within the same working day.
8. When drainage is restored via blockage removal or sump pump repair, the facility may be placed back in service.

9. If blockage cannot be removed or is not removed within the same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
10. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.9.2 Pipeline Cap from the Building Not Intact:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The facility will be placed out of service.
4. Water will be removed from the sump.
5. Evaluate whether there has been a discharge from the facility. If so, implement the Emergency Response Plan.
6. The cap will be replaced.
7. When cap is replaced, the facility may be placed back in service.
8. If cap cannot be replaced within the same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
9. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.9.3 Discrepancy in Exposed Concrete Integrity:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The Manager, Waste Disposal Operations will schedule repairs within 48 hours after receiving notification.
4. Repairs will be completed within 10 working days of discovery or the Manager, Compliance and Permitting will provide just cause in writing to the Director.
5. If repairs are not performed within 10 working days of discovery and just cause has not been provided to the Director, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification that the repairs were not performed.
6. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of identification that repairs were not performed.

4.9.4 Water Level in the Holding Tanks Greater Than Three Quarters (3/4) Full:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.

2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The facility will be placed out of service.
4. The water will be removed
5. Upon completion of water removal, the facility may be placed back in service.
6. If water cannot be removed, or is not removed within the same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
7. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.10 Rail Wash Facility on Track No. 4:

4.10.1 Lack of Free Drainage to the Wash Bay Sump Pump Continuing to the Collection Tank(s) Within the Adjacent Equipment/Mechanics Building:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The facility will be placed out of service.
4. The sump pump will be inspected to see if functioning properly.
5. If the sump pump requires repair or replacement it will occur within the same working day.
6. An inspection of the drainage system, including the concrete trench in the rail wash building will occur to determine if blockage is present.
7. If blockage is present it will be removed to restore free drainage.
8. When free drainage is restored, the facility may be placed back in service.
9. If blockage cannot be removed or is not removed within same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
10. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.10.2 Failure of Gray Water Transfer System from the Collection Tank(s) to the 1997 Pond:

1. The Facility Operator or BAT inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Director of Compliance and Permitting.
3. Place the facility out of service.
4. Inspect the gray water transfer system (pump and piping) to see if it is operating correctly.
5. Perform repairs or replacement of the pump if necessary within the same working day.

6. Inspect the piping system, including Manholes 1 and 2 if needed to identify damage or leakage.
7. If the gray water transfer system cannot be repaired within same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
8. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.10.3 Discrepancy in Exposed Pad Integrity:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The Manager, Waste Disposal Operations will schedule repairs to the exposed pad within 48 hours after receiving notification.
4. Repairs will be completed within 10 working days of discovery or the Manager, Compliance and Permitting will provide just cause in writing to the Director.
5. If repairs are not performed within 10 working days of discovery and just cause has not been provided to the Director, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification that the repairs were not performed.
6. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of identification that repairs were not performed.

4.11 Rail Digging Facility:

4.11.1 Lack of Free Drainage of Water to the Collection Basins to the Sediment Basin:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The facility will be placed out of service.
4. An inspection of the drainage system will occur to determine if blockage is present.
5. If blockage is present it will be removed to restore free drainage.
6. When free drainage is restored, the facility may be placed back in service.
7. If blockage cannot be removed or is not removed within the same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
8. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.11.2 Water Level in the Collection Basins Above the Elevation of the Outlet Pipe Grate:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The facility will be placed out of service.
4. The outlet pipe will be inspected for blockage.
5. If blockage is present it will be removed to restore free flowing condition.
6. When free drainage is restored, the facility may be placed back in service.
7. If blockage cannot be removed, or is not removed within the same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
8. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.11.3 Water Level in the Sediment Basin Above the Elevation of the Outlet Pipe:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The facility will be placed out of service.
4. The outlet pipe will be inspected for blockage.
5. If blockage is present it will be removed to restore free flowing condition.
6. When free drainage is restored, the facility may be placed back in service.
7. If blockage cannot be removed, or is not removed within the same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
8. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.11.4 Leakage of Stormwater Detected at the Digging Facility Manhole:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The facility will be placed out of service.
4. When repairs are completed, the facility may be placed back in service.
5. If repairs cannot be made within the same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
6. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.11.5 Discrepancy in Exposed Asphalt Pad and Concrete Integrity:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The Manager, Waste Disposal Operations will schedule repairs to the exposed pad within 48 hours after receiving notification.
4. Repairs will be completed within 10 working days of discovery or the Manager, Compliance and Permitting will provide just cause in writing to the Director.
5. If repairs are not performed within 10 working days of discovery and just cause has not been provided to the Director, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification that the repairs were not performed.
6. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of identification that repairs were not performed.

4.12 Decontamination Access Control Building:

4.12.1 Lack of Free Drainage to the Wastewater Collection Tank:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The bootwash, respirator sink, shower, and sink next to shower will be placed out of service.
4. An inspection will occur to determine if blockage is present.
5. If blockage is present it will be removed to restore free drainage.
6. When free drainage is restored, the bootwash, respirator sink, and sink next to shower may be placed back in service.
7. If blockage cannot be removed or is not removed within the same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
8. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.12.2 Visual Alarms Located Inside the Building at the Bootwash and Respirator Sink Activated:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. If water is not removed from the collection tank within the same working day, the bootwash, respirator sink, shower, and sink next to shower will be placed out of service.
3. Upon completion of water removal, the out of service designation will be removed from the bootwash, respirator sink, shower, and sink next to shower.

4.12.3 Water Level in the Wastewater Collection Tank Not Below the Bottom Elevation of the Inlet Pipe:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The bootwash, respirator sink, shower, and sink next to shower will be placed out of service.
4. Water will be removed from the tank.
5. Upon completion of water removal, the out of service designation will be removed from the bootwash, respirator sink, shower, and sink next to shower.
6. If water is not removed, within the same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
7. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.12.4 Presence of Fluids in Leak Detection System:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The bootwash, respirator sink, shower, and sink next to shower will be placed out of service
4. The QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
5. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.
6. Fluid will be collected from the leak detection system.
7. Gamma Spectroscopy analysis will be performed on fluid collected to determine if radiological contamination has occurred.
8. A written report including remediation plans if necessary will be submitted to the DRC.

4.13 Intermodal Container Wash Building:

4.13.1 Water Level in the Sediment Basin Sump At or Above the Weir Gate:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The facility will be placed out of service.
4. Water will be removed from the sump.

5. If water is not removed, within the same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
6. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.13.2 Lack of Free Drainage from the Bootwash to the Troughs:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The facility will be placed out of service.
4. An inspection of the drainage system will occur to determine if blockage is present.
5. If blockage is present it will be removed to restore free drainage.
6. When free drainage is restored, the facility may be placed back in service.
7. If blockage cannot be removed or is not removed within the same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
8. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.13.3 Lack of Free Drainage Through the Troughs to the Sediment Basin:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The facility will be placed out of service.
4. An inspection of the drainage system will occur to determine if blockage is present.
5. If blockage is present it will be removed to restore free drainage.
6. When free drainage is restored, the facility may be placed back in service.
7. If blockage cannot be removed or is not removed within the same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
8. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.13.4 Presence of Fluids in Leak Detection System:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The facility will be taken out of service.
4. The QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
5. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.
6. Fluid will be collected from the leak detection system.
7. Gamma Spectroscopy analysis will be performed on fluid collected to determine if radiological contamination has occurred.
8. A written report including remediation plans if necessary will be submitted to the DRC.

4.13.5 Discrepancy in Exposed Concrete Integrity:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The affected bay(s) will be placed out of service.
4. The Manager, Waste Disposal Operations will schedule repairs to the exposed pad within 48 hours after receiving notification.
5. Repairs will be completed within 10 working days of discovery or the Manager, Compliance and Permitting will provide just cause in writing to the Director.
6. If repairs are not performed within 10 working days of discovery and just cause has not been provided to the Director, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification that the repairs were not performed.
7. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of identification that repairs were not performed.

4.14 Shredder Facility:**4.14.1 Lack of Free Drainage from Concrete Surface to Catchbasins:**

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. Place the facility out of service.
4. Perform an inspection of the drainage system to determine if blockage is present. Water will be removed from the sump.
5. If blockage is present, remove blockage.
6. Place facility back in service when free drainage is restored.
7. If blockage cannot be removed or is not removed within the same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
8. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.14.2 Presence of Leakage from Manhole 1 Pipeline to Water Storage Tanks:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. Place the facility out of service.
4. Inspect the pipeline to determine source of leak.
5. Repair the pipeline.
6. If repairs cannot be completed within the same work day that the leak was discovered, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
7. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.14.3 High Water Level Alarms Activated at the Water Storage Tank(s):

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. Place the facility out of service.
4. The Manager, Waste Disposal Operations will schedule the manual removal of water from the storage tank.
5. If the water is not removed below the high water level within the same working day that the alarm was activated, the Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.

6. The QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
7. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.
8. Upon completion of water removal below the high water level, the facility may be placed back in service.

4.14.4 Valve to Alternate Wastewater Management System in Closed Position when Managing PCB Waste:

1. The Facility Operator or BAT Inspection will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The facility will be placed out of service.
4. Valve to the Rotary Dump Facility will be checked to ensure that it is in the closed position. If this valve is in the “open” position, the actions of 4.16.5, below, will be implemented.
5. The Manager, Waste Disposal Operations, together with the Manager, Compliance and Permitting, will assess the situation and open the valve to the alternate wastewater management system prior to placing the system back in service.

4.14.5 Valve to Rotary Dump Facility in Open Position when Managing PCB Waste:

1. The Facility Operator or BAT Inspection will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The facility will be placed out of service.
4. The Manager, Compliance and Permitting will determine necessary sampling activities.

4.14.6 Facility Not Labeled for PCBs as Required:

1. The Facility Operator or BAT Inspection will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The facility will be placed out of service.
4. The Facility Operator or BAT Inspector will ensure proper labeling of facility.
5. The facility will be placed back in service.

4.14.7 Water Storage Tank Not Labeled as PCBs as Required:

1. The Facility Operator or BAT Inspection will notify the Manager, Waste Disposal Operations.

2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The facility will be placed out of service.
4. The Facility Operator or BAT Inspector will ensure the tank is properly labeled.
5. The facility will be placed back in service.

4.14.8 Discrepancy in Exposed Concrete Integrity:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will schedule repairs to the exposed pad within 48 hours after receiving notification.
3. Repairs will be completed within 10 working days of discovery or the Manager, of Compliance and Permitting will provide just cause in writing to the Director.
4. If repairs are not performed within 10 working days of discovery and just cause has not been provided to the Director, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification that the repairs were not performed.
5. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of identification that repairs were not performed.

4.14.9 Shredded Material Remaining on the Outfeed Pad at End of Shift:

1. The Facility Operator will cease operation of the Shredder Facility.
2. The Facility Operator will notify the Manager, Waste Disposal Operations.
3. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
4. The Facility Operator will ensure that the material is no longer susceptible to wind dispersal as follows:
 - a. Containerize shredded material; or
 - b. Cover with a nominal 6" inches of soil or soil-like waste material; or
 - c. Cover with a commercial fixative to prevent wind dispersal and leachate generation, applied in accordance with the manufacturer's instructions.
5. The QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification that shredded material was not removed by the end of shift.
6. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of identification that material was not removed from the outfeed pad by the end of the shift.
7. The Shredder Facility may not continue operation until the shredded material is removed.

4.15 Rotary Dump Facility:

4.15.1 Thaw Building:

4.15.1.1 Discrepancy in Exposed Concrete Integrity:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The Manager, Waste Disposal Operations will schedule repairs to the exposed pad within 48 hours after receiving notification.
4. Repairs will be completed within 10 working days of discovery or the Manager, Compliance and Permitting will provide just cause in writing to the Director.
5. If repairs are not performed within 10 working days of discovery and just cause has not been provided to the Director, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification that the repairs were not performed.
6. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of identification that repairs were not performed.

4.15.1.2 Ponding of Water on the Granular Floor Surface of the Thaw Building:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. Place the facility out of service.
4. Perform an inspection of the drainage system to determine if blockage is present.
5. If blockage is present, remove blockage.
6. Place facility back in service when drainage is restored.
7. If blockage cannot be removed or is not removed within the same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
8. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.15.1.3 Blockage of Pipe from Thaw Building to Rotary Floor:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the Manager, Compliance and Permitting.
3. Place the facility out of service.
4. Remove blockage.
5. Place the facility back in service when drainage is restored.
6. If blockage cannot be removed or is not removed within the same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.

7. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.15.2 Wash Building:

4.15.2.1 Discrepancy in Exposed Concrete Integrity of the curbing at the east end of the wash building:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. An absorbent material will be placed along the curbing to deter water flow past the curb.
4. The Manager, Waste Disposal Operations will schedule repairs to the exposed pad within 48 hours after receiving notification.
5. Repairs will be completed within 10 working days of discovery or the Manager, Compliance and Permitting will provide just cause in writing to the Director.
6. If repairs are not performed within 10 working days of discovery and just cause has not been provided to the Director, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification that the repairs were not performed.
7. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of identification that repairs were not performed.

4.15.2.2 Discrepancy in Exposed Concrete Integrity:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The Manager, Waste Disposal Operations will schedule repairs to the exposed pad within 48 hours after receiving notification.
4. Repairs will be completed within 10 working days of discovery or the Manager, Compliance and Permitting will provide just cause in writing to the Director.
5. If repairs are not performed within 10 working days of discovery and just cause has not been provided to the Director, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification that the repairs were not performed.
6. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of identification that repairs were not performed.

4.15.2.3 Integrity Breach at Surface Seal Around Footing

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.

2. The Facility Operator or BAT Inspector will place the Wash Building out of service.
3. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
4. The Manager, Waste Disposal Operations will schedule repairs to the surface seals within 48 hours after receiving notification.
5. Repairs will be completed within 10 working days of discovery or the Manager, Compliance and Permitting will provide just cause in writing to the Director.
6. If repairs are not performed within 10 working days of discovery and just cause has not been provided to the Director, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification that the repairs were not performed.
7. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of identification that repairs were not performed.

4.15.2.4 Water Level Above Grates Within the Wash Building:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The facility will be placed out of service.
4. Perform an inspection of the drainage system to determine if blockage is present.
5. If blockage is present, remove blockage.
6. Place facility back in service when drainage is restored.
7. If blockage cannot be removed or is not removed within the same working day, the QAM or Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
8. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.15.2.5 Lack of Free Drainage from the Floor to the Trench:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The facility will be placed out of service.
4. Perform an inspection to determine if blockage is present.
5. If blockage is present, remove blockage.
6. Place facility back in service when drainage is restored.
7. If blockage cannot be removed or is not removed within the same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
8. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.15.3 Rotary Building

4.15.3.1 Discrepancy in Exposed Concrete Integrity:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The Manager, Waste Disposal Operations will schedule repairs to the exposed pad within 48 hours after receiving notification.
4. Repairs will be completed within 10 working days of discovery or the Manager, Compliance and Permitting will provide just cause in writing to the Director.
5. If repairs are not performed within 10 working days of discovery and just cause has not been provided to the Director, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification that the repairs were not performed.
6. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of identification that repairs were not performed.

4.15.3.2 Lack of Free Drainage from Rotary Dump Floor to Sediment Basin (When waste management activities are not occurring):

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. Place the facility out of service.
4. Perform an inspection of the drainage system to determine if blockage is present.
5. If blockage is present, remove blockage.
6. Place facility back in service when free drainage is restored.
7. If blockage cannot be removed or is not removed within the same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
8. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.15.3.3 Water Level Above the Grate in the Sediment Basin:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. Waste management activities at the facility will cease (waste may be removed from the facility).
4. The submersible pump will be inspected to see if functioning properly.

5. If the submersible pump requires repair or replacement, it will occur within the same working day.
6. The pipeline from the submersible pump to the northwest corner evaporation pond will be inspected for blockage.
7. If blockage is present within the pipeline it will be removed.
8. When blockage of pipeline is removed and/or pump repair or replacement has been completed, the facility may be placed back in service.
9. If blockage cannot be removed and/or pump repair/replacement cannot be completed, or is not completed within the same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
10. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.15.3.4 Presence of Fluids in Sediment Basin Leak Detection System:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The facility will be taken out of service.
4. The QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
5. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.
6. Fluid will be collected from the leak detection system.
7. Gamma Spectroscopy analysis will be performed on fluid collected to determine if radiological contamination has occurred.
8. A written report including remediation plans if necessary will be submitted to the DRC.

4.15.3.5 Presence of Fluids in Leak Detection System for the Pipeline from Rotary Building to the Northwest Corner Evaporation Pond:

1. The Facility Operator or BAT Inspector will return the observation valve to the closed position.
2. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
3. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
4. The facility will be taken out of service.
5. The Facility Operator or BAT Inspector will close and lock the valve between the sediment basin and the Northwest Corner Evaporation Pond.
6. The Manager, Waste Disposal Operations will notify to the Manager, Compliance and Permitting of the desire to operate the facility using the Alternate Wastewater Management Area.

7. The Manager, Compliance and Permitting will provide verbal notification to the DRC.
8. Upon completion of DRC notification to use the Alternate Wastewater Management System, the Rotary Dump Facility may be placed in service.
9. The QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification that fluids were present within the leak detection system.
10. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.
11. Fluid will be collected from the leak detection system.
12. Gamma Spectroscopy analysis will be performed on fluid collected to determine if radiological contamination has occurred.
13. A written report including remediation plans if necessary will be submitted to the DRC.

4.15.4 Alternate Wastewater Management Area (When Placed in Service and Locking Valve is in the "Open" Position)

4.15.4.1 Presence of Leakage from Sediment Basin Pipeline to Water Storage Tanks:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. Place the facility out of service.
4. Inspect the pipeline to determine origin of leak.
5. Repair the pipeline.
6. Place facility back in service when repairs are complete.
7. If repairs cannot be repaired within the same work day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
8. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.15.4.2 Visual Alarm at One or Both Storage Tanks:

1. The Rotary Dump Facility will be placed out of service
2. Perform manual removal of water from the collection tank.
3. If the water is not removed within the same working day, the Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
4. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
5. The QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
6. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

7. Upon completion of water removal, the facility may be placed back in service.

4.15.4.3 Ponding of Water on the Concrete Surface at the Alternate Wastewater Management Area:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. Place the facility out of service.
4. Inspect the drainage system to determine if blockage is present.
5. If blockage is present, remove blockage.
6. Place facility back in service when drainage is restored.
7. If blockage cannot be removed or is not removed within the same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
8. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.15.4.4 Discrepancy in Exposed Concrete Integrity:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The Manager, Waste Disposal Operations will schedule repairs to the exposed pad within 48 hours after receiving notification.
4. Repairs will be completed within 10 working days of discovery or the Manager, Compliance and Permitting will provide just cause in writing to the Director.
5. If repairs are not performed within 10 working days of discovery and just cause has not been provided to the Director, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification that the repairs were not performed.
6. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of identification that repairs were not performed.

4.16 East Side Drainage System:

4.16.1 Stormwater Management System:

4.16.1.1 Catchbasin Water Level Above Outlet Pipe:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.

3. Inspect the drainage system to determine why it is not free-draining.
4. Complete repairs as needed to restore free drainage within the same working day.
5. If free drainage is not restored within the same work day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
6. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

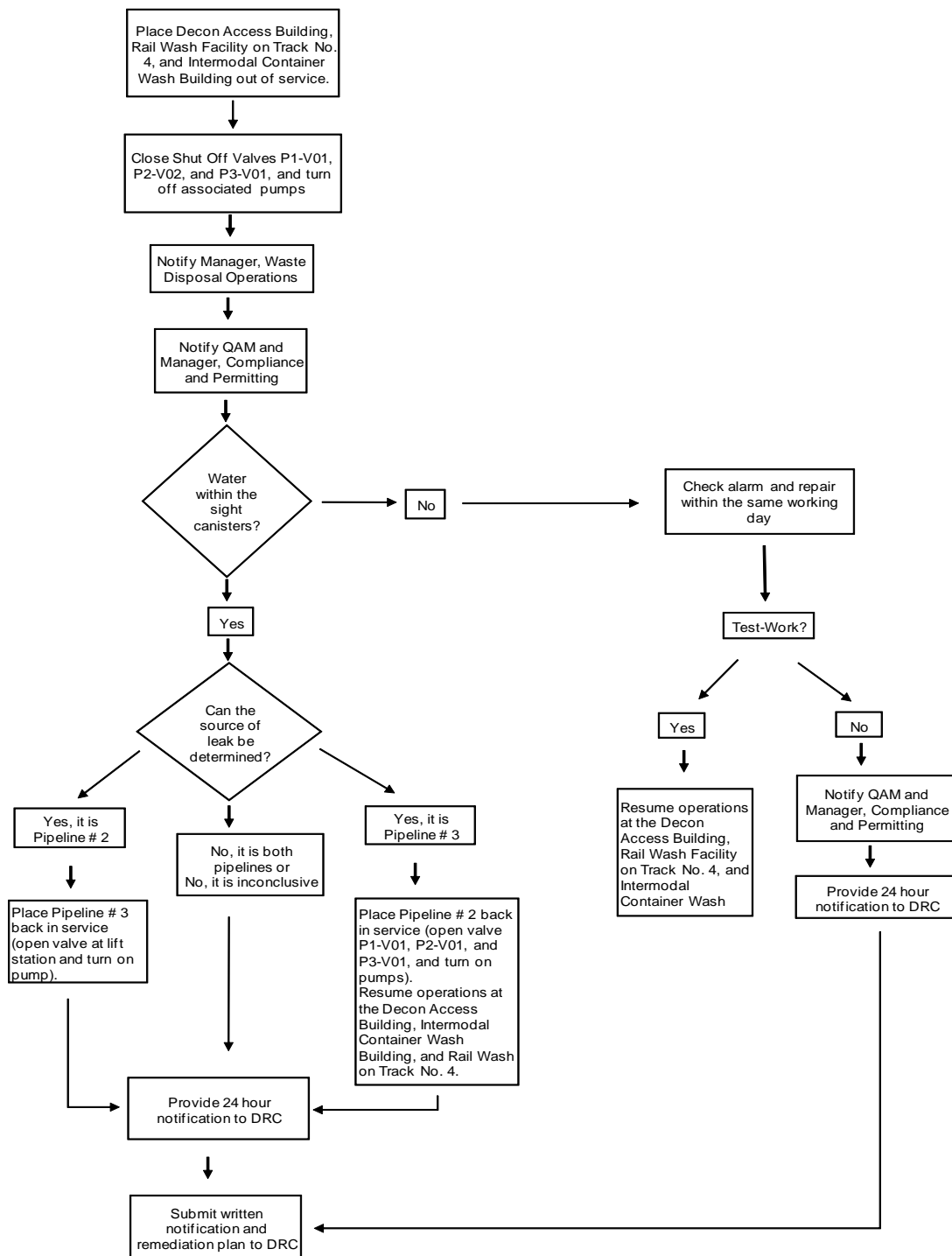
4.16.1.2 Lift Sump Alarm Activated:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. Inspect the alarm system to determine if functioning properly.
4. Inspect the sump pump(s) to determine if functioning properly.
5. If the sump pump(s) requires repair or replacement it will occur within the same working day.
6. If sump pump(s) cannot be repaired or replaced on the same working day of discovery, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
7. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.16.2 East Side Drainage System Gray Water:

4.16.2.1 Visual Alarm Activated at Manhole 1 (See Figure 1 of inspection form):

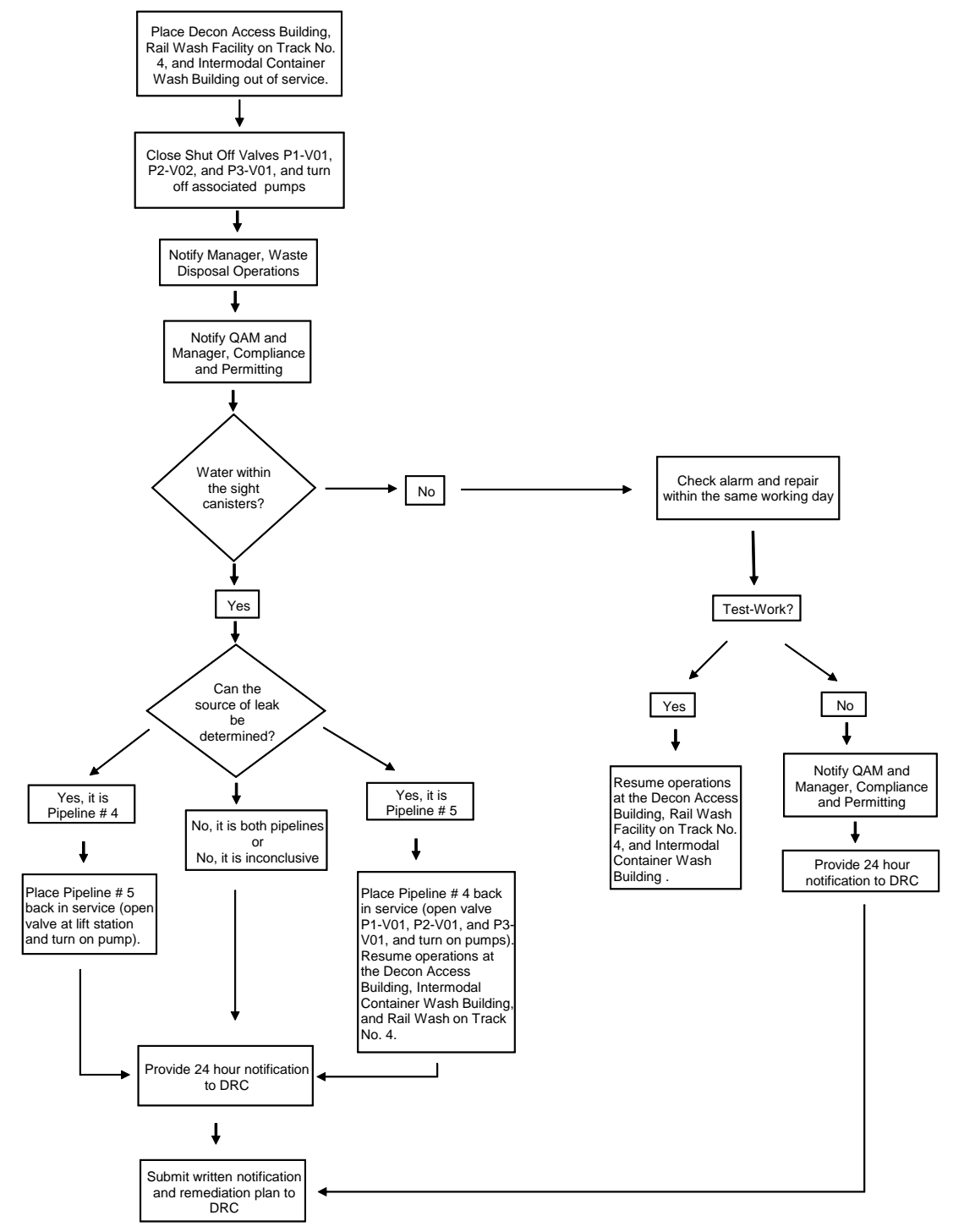
1. Perform Contingency Actions in accordance with the following Flow Chart.

Alarm Activated at Manhole 1

4.16.2.2 Visual Alarm Activated at Manhole 2 (See Figure 1 of inspection form):

1. Perform Contingency Actions in accordance with following Flow Chart.

Alarm Activated at Manhole 2



4.17.2.3 Failure of the carrier pipe:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The affected shut-off valves will be closed, and associated pumps to affected facilities will be placed out of service.
3. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting and Manager, Engineering and Maintenance.
4. The QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of confirmation and provide notification of manual water removal from affected facilities.
5. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.
6. The Manager, Engineering and Maintenance will schedule testing of the containment pipe(s).
7. The containment pipe(s) will be tested based on the ASTM-F1417 method.
8. Upon completion of containment pipe testing, findings will be documented and a report submitted to the DRC within 30 calendar days. The report will include any completed or scheduled remediation.
9. Once remediation efforts have been completed, verification of the containment pipe repairs and remediation will be performed under the direction of and certified by a certified Professional Engineer.
10. The facility will be placed back into service.

4.17 South Ditch

4.17.1 Pump system not functioning as designed: green light not activated when pump is present and operating:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM, Manager, Engineering and Maintenance, and Manager, Compliance and Permitting.
3. The Manager, Engineering and Maintenance will schedule repairs within 48 hours after receiving notification.
4. Repairs will be completed within 14 calendar days of discovery or the Manager, Compliance and Permitting will provide just cause in writing to the Director.
5. If repairs are not performed within 14 calendar days of discovery and just cause has not been provided to the Director, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification that the repairs were not performed.
6. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.17.2 Pump system not functioning as designed (pump is present but not operating with or without activation of green light):

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM, Manager, Engineering and Maintenance, and Manager, Compliance and Permitting.
3. Manual removal of water will begin within the same working day.
4. The Manager, Engineering and Maintenance will schedule repairs of the pump system within 48 hours after receiving notification.
5. Repairs will be completed within 14 calendar days of discovery or the Manager, Compliance and Permitting will provide just cause in writing to the Director.
6. If repairs are not performed within 14 calendar days of discovery and just cause has not been provided to the Director, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification that the repairs were not performed.
7. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.17.3 Pump system not functioning as designed (blue light not activated when water is above the sump grate):

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM, Manager, Engineering and Maintenance, and Manager, Compliance and Permitting.
3. The Manager, Engineering and Maintenance will schedule repairs within 48 hours after receiving notification.
4. Repairs will be completed within 14 calendar days of discovery or the Manager, Compliance and Permitting will provide just cause in writing to the Director.
5. If repairs are not performed within 14 calendar days of discovery and just cause has not been provided to the Director, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification that the repairs were not performed.
6. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.17.4 Grate less than 75% clear of debris (determined during monthly pump and indicator light inspection):

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. Debris removal will be completed within 48 hours of discovery or the Manager, Compliance and Permitting will provide just cause in writing to the Director.
3. If debris removal is not performed within 48 hours of discovery and just cause has not been provided to the Director, the QAM or the Manager, Compliance and Permitting

will provide verbal notification to the DRC within 24 hours of identification that the debris removal was not performed.

4. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of identification that the removal was not performed.

4.17.5 Manual water removal (only required when pump is not operating or has been removed during freezing weather) not initiated the same day as identification:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will schedule manual water removal.
3. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
4. The Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
5. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.18 LLRW Operations Building:

4.18.1 High water level alarm (orange strobe) activated at the wastewater collection tank:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will schedule the manual removal of water from the storage tank.
3. If the water is not removed below the high water level by the end of the following workday after discovery, the Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
4. The QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
5. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.18.2 High-high-level alarm (red strobe) activated at the wastewater collection tank:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. Place the wastewater generating systems (restricted area of the building) out of service.

4. The Manager, Waste Disposal Operations will schedule the manual removal of water from the wastewater collection tank.
5. If the water is not removed below the high water level within the same working day of discovery, the Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
6. The QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
7. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.
8. Upon completion of water removal below the high water level, the facility may be placed back in service.

4.18.3 Presence of fluids in the leak detection system

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM, Manager, Compliance and Permitting, and Manager, Engineering and Maintenance.
3. The wastewater generating systems (restricted area of the building) will be placed out of service.
4. The Manager, Engineering and Maintenance will determine the cause of the alarm and schedule repairs as needed.
5. The QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
6. If repairs to the inner (primary) tank are required, the tank shall be re-certified by an independent PE before being placed back into service.
7. If the sensor is determined to be faulty, the facility may be placed back into service once it is repaired or replaced and tested.
8. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.19 SRS DU Storage Building:

4.19.1 Discrepancy in Exposed Asphalt Integrity:

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The Manager, Waste Disposal Operations will schedule repairs to the exposed asphalt surface within 48 hours after receiving notification.
4. Repairs will be completed within 10 working days of discovery or the Manager, Compliance and Permitting will provide just cause in writing to the Director.
5. If repairs are not performed within 10 working days of discovery and just cause has not been provided to the Director, the QAM or the Manager, Compliance and

Permitting will provide verbal notification to the DRC within 24 hours of identification that the repairs were not performed.

6. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of identification that repairs were not performed.

4.19.2 Evidence of container leakage, corrosion, or deterioration

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and the Manager, Compliance and Permitting.
3. An inspection will be performed to determine corrective actions as needed i.e. overpack of containers.
4. Corrective actions shall be completed and documented within the same working day.
5. If corrective actions cannot be completed within the same working day, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
6. If corrective actions cannot be completed with the same working day, the Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.19.3 Presence of water on the asphalt surface

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will schedule water removal.
3. The Manager, Waste Disposal Operations will notify the QAM, Manager, Compliance and Permitting, and Manager, Engineering and Maintenance.
4. An inspection will be performed to determine the source of the water and schedule repairs as needed.
5. The QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification.
6. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.20 Evaporation Pond Ancillary Equipment to Facilitate Evaporation:

4.20.1 Contact wastewater spill outside of the pond and secondary containment:

1. The Facility Operator or BAT Inspector will implement the Emergency Response Plan. Implementation automatically notifies the Manager, Waste Disposal Operations, QAM, and Manager, Compliance and Permitting.
2. The spill will be cleaned up in accordance with the Emergency Response Plan. Initial (24-hour) and followup (7-day) reports will be made to the Director in accordance with that plan.

3. The ancillary equipment will be taken out of service until the cause of the spill has been determined and repaired.
4. Once the ancillary equipment has been repaired, 24 hour notification shall be provided to the Director prior to placing the system back into service.

4.20.2 Damage to the evaporation pond liner:

1. The ancillary equipment will be taken out of service immediately.
2. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
3. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
4. The Manager, Waste Disposal Operations will schedule repairs to the pond liner within 48 hours after receiving notification.
5. Once the pond liner has been repaired 24 hour notification shall be provided to the Director prior to placing the system back into service.
6. Repairs will be completed within 10 working days of discovery or the Manager, Compliance and Permitting will provide just cause in writing to the Director.
7. If repairs are not performed within 10 working days of discovery and just cause has not been provided to the Director, the QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of identification that the repairs were not performed.
8. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of identification that repairs were not performed.

4.21 Contingency Actions for Qualitative BAT Performance Standards:

4.21.1 Failure to complete inspections as required

1. The Facility Operator or BAT Inspector will notify the Manager, Waste Disposal Operations.
2. The Facility Operator or BAT Inspector will perform missed inspection.
3. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
4. The QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of confirmation.
5. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.

4.21.2 Failure to Comply with Waste Disposal Location Requirements:

1. Notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of confirmation.

4. The Manager, Compliance and Permitting will provide written notification to the DRC within seven calendar days of discovery.
5. The waste will be removed from the location and disposed of in the correct location.
6. Follow up sampling will be performed to ensure that all waste material placed incorrectly has been completely removed and a report containing sample analytical results will be submitted for DRC approval. Upon approval, waste placement within the sampled area may resume.

4.21.3 Disposal of Unauthorized Wastes:

1. Notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC.
4. The Manager, Compliance and Permitting will provide written notification in accordance with the Permittee's Radioactive Material License.

4.21.4 Failure to Construct as Per Approval Designated in I.E.3:

1. Upon discovery the Applicable Site Director or designee will be notified immediately.
2. The Applicable Site Director or designee will notify the QAM and Director of Compliance and Permitting or designees.
3. The QAM or the Director of Compliance and Permitting or designee will provide verbal notification to the DRC.
4. The Director of Compliance and Permitting or designee will provide written notification in accordance with the Permittee's Radioactive Material License.

4.21.5 Failure to Complete a Portion of the Disposal Cell Within the Applicable Open Cell Time Limit:

1. Notify the Manager, Waste Disposal Operations
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of discovery.
4. The Manager, Compliance and Permitting will provide written notification and proposed corrective actions to the DRC within seven calendar days of discovery.

4.21.6 Failure to Comply with General Stormwater Management Requirements and Performance Criteria:

1. Notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.

3. The QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of discovery.
4. The Manager, Compliance and Permitting will provide written notification and proposed corrective actions to the DRC within seven calendar days of discovery.

4.21.7 Failure to Comply with 11e.(2) Waste Management and Storage Requirements:

1. Notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of discovery.
4. The Manager, Compliance and Permitting will provide written notification and proposed corrective actions to the DRC within seven calendar days of discovery.

4.21.8 Failure to Comply with LLRW Waste Management Requirements:

1. Notify the Manager, Waste Disposal Operations.
2. The Manager, Waste Disposal Operations will notify the QAM and Manager, Compliance and Permitting.
3. The QAM or the Manager, Compliance and Permitting will provide verbal notification to the DRC within 24 hours of discovery.
4. The Manager, Compliance and Permitting will provide written notification and proposed corrective actions to the DRC within seven calendar days of discovery.